

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	370	(360/324.1).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 12:23
S2	415	(360/324.2).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/23 17:11
S3	200	(360/324).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 12:22
S4	264	(360/322).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 12:22
S5	263	(360/313).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 12:22
S6	1469	(360/110).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 12:22
S7	2812	S1 S2 S3 S4 S5 S6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:50
S8	1693955	S1 and spin momentum transfer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 12:23
S9	1	S1 and (spin adj momentum adj transfer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 12:23

S10	1	S1 and (spin near5 momentum near5 transfer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 12:23
S11	66	(spin near5 momentum near5 transfer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 12:24
S12	1	S1 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 12:24
S13	174784	damping	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 12:24
S14	797771	noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 12:24
S15	8	S11 and S13 and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 12:25
S16	3951	CPP (current adj perpendicular adj3 plane)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:51
S17	1420253	thermal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:51
S18	797771	noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:51
S19	196	spin adj wave	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:51

S20	5687	precession	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:51
S21	5980	precessed precess precessing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:51
S22	174784	damping	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:52
S23	3	S16 same (S17 S18) same (S19 S20 S21 S22)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:53
S24	3095678	sense current	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:53
S25	4201666	direction	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:54
S26	201143	(S16 S24) with S25	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:56
S27	17	(spin adj momentum) near3 transfer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 15:44
S28	18	(spin adj wave) same noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:55
S29	1	mag?noise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:55

S30	345	watko.xa,xp.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:55
S31	1	S27 and S30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:55
S32	1	S25 and S29	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:55
S33	1001	S22 same S26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:56
S34	7	S27 same S26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:58
S35	1	S28 same S26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:56
S36	0	S21 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:58
S37	1	(S20 S21) and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 13:58
S38	4	(S20 S21) and S27	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 14:50

S39	13	(US-20050041342-\$ or US-20050190510-\$ or US-20050174701-\$ or US-20050128651-\$ or US-20030206380-\$ or US-20050041462-\$ or US-20040061981-\$ or US-20030228488-\$).did. or (US-6770382-\$ or US-6809900-\$ or US-6798623-\$).did. or (WO-2004032157-\$).did. or (US-20050041462-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2005/09/21 13:59
S40	13	spin adj polarizer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 14:50
S41	2	S27 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 14:50
S42	0	("6809900").URPN.	USPAT	OR	OFF	2005/09/21 15:20
S43	10	("3921217"   "5576914"   "5668688"   "5695864"   "5891586"   "5930087"   "6105237"   "6130814"   "6219212"   "6396670").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/21 15:20
S44	6	(spin adj momentum) near3 transfer and gilbert	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/21 15:44
S45	7	("6363007" "6256223" "6275411" "6021065" "6130814" "6147900" "5695864").pn.	US-PGPUB; USPAT	OR	OFF	2005/09/23 17:11



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### Results

<u>#1</u>	( ( magnetoresistive or magnetoresistance or mr<in>metadata ) <and> ( ~spin momentum transfer~~<in>metadata ) )<and> ( thermal and noise<in>metadata )	0
<u>#2</u>	( ( magnetoresistive or magnetoresistance or mr<in>metadata ) <and> ( spin momentum transfer <in>metadata ) )	1
<u>#3</u>	( ( electron spin <in>metadata ) <and> ( precess or precessing or precession<in>metadata ) ) <and> ( gilbert or damp or damps or damped or damping<in>metadata )	9
<u>#4</u>	(mr or gmr or magnetoresistive or magnetoresistance) <and> ( ( electron spin <in>metadata ) <and> ( precess or precessing or precession<in>metadata ) )<and> ( gilbert or damp or damps or damped or damping<in>metadata )	4
<u>#5</u>	(mr or gmr or magnetoresistive or magnetoresistance) <and> ( ( electron spin <in>metadata ) <and> ( precess or precessing or precession<in>metadata ) )<and> ( gilbert or damp or damps or damped or damping<in>metadata )	4
<u>#6</u>	(tmr or tunnel or barrier or tunnelling) <and> (mr or gmr or magnetoresistive or magnetoresistance) <and> ( ( electron spin <in>metadata ) <and> ( precess or precessing or precession<in>metadata ) )<and> ( gilbert or damp or damps or damped or damping<in>metadata )	0
<u>#7</u>	(mr or gmr or magnetoresistive or magnetoresistance) <and> ( ( electron spin <in>metadata ) <and> ( precess or precessing or precession<in>metadata ) )<and> ( gilbert or	4

damp or damps or damped or  
damping<in>metadata )

#8 (mr or gmr or magnetoresistive or  
magnetoresistance) <and> ( ( electron spin  
<in>metadata ) <and> ( precess or precessing  
or precession<in>metadata ) )<and> ( gilbert or  
damp or damps or damped or  
damping<in>metadata )

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#9 (mr or gmr or magnetoresistive or  
magnetoresistance) <and> ( ( electron spin  
<in>metadata ) <and> ( precess or precessing  
or precession<in>metadata ) )<and> ( gilbert or  
damp or damps or damped or  
damping<in>metadata )

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#10 (mr or gmr or magnetoresistive or  
magnetoresistance) <and> ( ( electron spin  
<in>metadata ) <and> ( precess or precessing  
or precession<in>metadata ) )<and> ( gilbert or  
damp or damps or damped or  
damping<in>metadata )

4

#11 (mr or gmr or magnetoresistive or  
magnetoresistance) <and> ( ( electron spin  
<in>metadata ) <and> ( precess or precessing  
or precession<in>metadata ) )<and> ( gilbert or  
damp or damps or damped or  
damping<in>metadata )

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